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In the claims:

The claims pending in this case are listed below with appropriate status indication.

1. (Currently amended) A replaceable circuit breaker module comprising:
  - a housing for supporting and enclosing elements of the module;
  - a circuit breaker mounted in the housing in a manner that an action of installing the module connects the breaker to bridge an incoming and an outgoing conductor; and
  - ~~monitoring circuitry for monitoring characteristics of the circuit breaker, the monitoring circuitry mounted in the housing and having a first connector element for engaging a mating connector element in the action of installing the module;~~
  - a horizontal bar guided vertically in slots such that the bar is held in a notch of a bracket affixed to a cabinet to be powered when the breaker is closed (on),
  - characterized in that lowering the bar from the notch to release the module for extraction trips the breaker open (off), thus preventing arcing during docking or withdrawing of the module.
  - ~~action of withdrawing the circuit breaker module also withdraws the monitoring circuitry and the monitoring circuitry includes sensors for monitoring breaker presence and one or more of on/off state of the breaker, and voltage provided to the breaker.~~
2. (Canceled)
3. (Original) The module of claim 1 wherein the module is configured as a docking module for docking in a bay of a cabinet to be powered, and the installation action is an action of docking the module in the docking bay.
4. (Original) The module of claim 1 further comprising a safety mechanism for preventing the module from being docked or withdrawn with the breaker on.
5. (Canceled)

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6. (Currently amended) An electronic cabinet having a redundant power supply and comprising:

a redundant power unit having docking bays for two or more breaker modules;

a first conductor delivering power to the power unit from an external source;

[[and]]

a second conductor delivering power from the power unit to elements in the cabinet from the power unit; and

a safety mechanism;

wherein each breaker module comprises a housing for supporting and enclosing elements of the module, a circuit breaker mounted in the housing in a manner that an action of installing the module connects the breaker to bridge first and the second conductors, and the safety mechanism comprises a horizontal bar guided vertically in slots such that the bar is held in a notch of a bracket affixed to a cabinet to be powered when the breaker is closed (on), and lowering the bar from the notch to release the module for extraction trips the breaker open (off), thus preventing arcing during docking or withdrawing of the module. ~~and monitoring circuitry for monitoring characteristics of the circuit breaker, the monitoring circuitry including sensors for monitoring breaker presence and one or more of on/off state of the breaker, and voltage provided to the breaker, and the monitoring circuitry is mounted in the housing and having a first connector element for engaging a mating connector element in the action of installing the module, such that action of withdrawing the circuit breaker module also withdraws the monitoring circuitry.~~

7. (Canceled)

8. (Original) The cabinet of claim 6 wherein the module is configured as a docking module for docking in a bay of a cabinet to be powered, and the installation action is an action of docking the module in the docking bay.

9. (Canceled)

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10. (Canceled)
11. (Original) The cabinet of claim 6 dedicated to a packet router in the Internet.
12. (Previously Presented) A method for improving reliability of a redundant breaker system for an electronic cabinet, comprising the steps of:
- (a) providing two or more breaker modules configured, when installed, to bridge the same two power conductors by docking the breaker modules in docking bays of the cabinet to be powered; and
  - (b) providing a safety mechanism comprising a horizontal bar guided vertically in slots such that the bar is held in a notch of a bracket affixed to the cabinet to be powered when the breaker is closed (on), and lowering the bar from the notch to release the module for extraction trips the breaker open (off), thus preventing arcing during docking or withdrawing of the module. ~~breaker monitoring circuitry with each of the two or more breaker modules including sensors for monitoring breaker presence and one or more of on/off state of the breaker, and voltage provided to the breaker, the monitoring circuitry configured to be removed and replaced with the breaker modules, such that monitoring circuitry is replaced whenever a breaker module is replaced.~~
13. (Canceled)
14. (Canceled)
15. (Canceled)
16. (Canceled)